

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY

Form BI-689

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FIELD DIARY

Mr. E. A. Goldman

(Official title.)

Period, Dec. 16, 1934 -

Jan. 17, 1935

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Dec. 16, 1934,
Left Washington, D.C. 3:05 AM.
When I got up train was
approaching Greensboro, N.C.
Day spent running through
flat barren pine-ridge or
Piedmont country.

Dec. 17,
When I awoke train was
approaching Wilson, N.C.
Looking through a stand of
long leaf pines toward the
east I saw wonderful deep
red cloud effects as the
sun had not yet risen.
General aspect of the country
of the warm southward.
Left at 9 AM.
Left at 4, after transfer

Dec. 18.

Arrived San Antonio, Tex, 7 A.M.
transferred to M.P. depot and
left for San Antonio 8 A.M.

Road runs through mesquite
country typical of the region.

Heavily raw, unusual at
this season had been falling.

Arrived Laredo 1 P.M. At
Hotel Hamilton found Fulton
waiting for me. In afternoon
we took taxi across to
Nuevo Laredo where we
called on American Consul
Remeyn Warrnuth also met
Vice Consul Harper and
began arrangements for
crossing border. We were
guests in the evening of
Warrnuth and Harper for
a dinner in Nuevo Laredo.

Dec. 18 con.

Had a Ramos Gin Fizz
at a Mexican bar there,
reminding me of old times
in New Orleans.

Dec. 19

Remained in Tando to
complete arrangements for
entering Mexico. Obtained
passports and a permit for
carrying a pistol into
Mexico.

Dec. 20

Left Tando 1.10 P.M. and Thrus
Tando 3 P.M. by train on ~~N.M.~~
N. line of Mexico.

Route through flat country
ascending gradually. In
evening the sun went down

Dec. 20 con.

Behind steep mountains as we
nearlyed Monterey, sending
slanting shafts of light
toward the sky. Soon darkness
fell and a full moon,
low over the horizon,
dominated the landscape.
Veg. Mesquites, cacti, boquilla.

Dec. 21, City of Mexico.

Early morning we were
approaching San Luis Potosí
where we arrived at 8,45
A.M.

Vegetation had changed
overnight. Cacti more
abundant and organ cactas
with low, ~~tree~~ many-branched
top became one of the
dominant species. This with
the familiar pepper trees

Dec. 21 con
was with us all day.
Route is through the plateau
region, the road winding
much of the way over
rolling plains or partly
broken country with high
mountains rising in the
distance nearly all along
the way.

Arrived Mexico City 10.10
P.M. Met a Mr. Jones on train
and he took us to American
Club.

Dec. 22. At Mex. City.
Met Kirby Smith, a son
of Confederate general at
Club also several others in-
cluding W.B. Ward a timber
man who has travelled
extensively.

Dec. 22 con.

Called on Amer. Ambassador,
Hon. Josephus Daniels and
on Consul General Bowman.
But it is Saturday and too
near the holidays to do
much.

Dec. 23 (Sun.). At Mexico
City. Mainly writing letters.

Dec. 24 (Mon.). At
Mexico City.

Mainly in locating markets.
Market. Visited Plaza de la
Mesa, the largest in the
city. Found a single staved rail
to be the only one in the
large market where ducks are
sold. Woman had about 80 all
told. Of these more than
half were pintails, second ✓

Dec. 24 con. .

most abundant cinnamon teal, third in order green-winged teal and fourth spoonbills. Pintails retail for 75 cents each and teals at 30 cents.

Dec. 25, At City of Mexico.

Markets. Visited Plaza de la Merced, Mercado de San Juan de Ixtlan, and market on Ave. Ribera de San Cosme. At the first, where we arrived early, we found about 75 ducks on the stand, most of which were pintails.

Plaza de la Merced, Total, 75

✓ Pintails - 60

Green-winged, 7

Spoonbills, 6

Cinnamon teal 2

Dec. 25 con.

San Juan de Lelran

Total 150 ^{ducks} on display in 3
places

✓ Bobwhite - 12

✓ Pintails - 100

✓ Bluewing - 10

✓ Greenwing - 10

✓ Spoonbills - 25

✓ Cinnamon - 5

✓ Curler - 1 (long-billed)

Market ~~Area~~. Ribera de San
Lorone: Total ducks. 15

Pintail - 12

Cinnamon - 2

Widgeon - 1

Jackrabbits (white-bellied) - 15 }
Cottontails - 10 }

in San Juan de Lelran.

Dec. 26, at City of Mexico.

Market, Visited Mercado de
Tepito, out República de Argentina
to Plaza de San Bartolomé de
las Casas. Market extends for
blocks and we were told that
a few ducks are brought in and
sold usually on Sundays.

Market, Visited San Juan de
Gilman. Saw about the same
birds as yesterday, but found
some on sale of a few additional
storks - about half a dozen
all told.

✓ Pintail. Price ^{asked} ~~offered~~ \$1.20 per
pair.

Dec. 27, at City of Mexico,
Amer. Embassy, conferred with
Ambassador and started arrangements
for letter through Embassy.

C. G. Ray, called on him for
few minutes but found him very
busy. To see him later. Says
ducks greatly reduced in numbers.

Alexander K Sloan, Consul.
Saw him in absence of Thomas D.
Borman, Consul General, and
he introduced us to Kent
Leavitt, Vice-consul and to
Kenneth Littlejohn. From both of
whom general information was
received.

Dec. 28 At City of Mexico,
Alvaro H. Oyida, to J. J. Ruiz
y Huas, 16 de Sept. 26, conferred
with him and got considerable
general information and references
to others. Sport club has been
organized here.

Hunting clubs, Being organized
in Mex. and there is obvious
need for game ^{and forest} management.
Too heavy cutting of timber to
make charcoal said by Oyida
to be destructive.

El Peñon Viejo, conferred
with Antonio del Conde,
Editor, Leaga y Pizca.
Bolman, 24. and we were
taken by him on trip out
on road to Puebla past
the lagoon at El Peñon Viejo

Dec. 28. con
and circling to the right
through lechales and Xochimilco
and the chinampas. At
Périm the water was lower,
but food and general conditions
good but no ducks. To the
left of road territory where I
saw armadas filed is now
dry.

Dec. 29. At Mexico City
Guillermo Wolff, Uruguay 51,
Presented letter and he gave me
considerable general information
Natural History Mus. Visited
Museum.

J.J. Ruiz. Conferred with him
and arranged for trip tomorrow.
with - Vallijo, on
road to Pachuca an hour from
Mexico City. 12

Dec. 30, at Mex. City.

Trip with Luis G. Salas,
for Sunday shoot at La Cueva
near Santa de Capion road to Pachua
about ^{28 kilometers} ~~one hour~~ from Mex. City.

Shallow, marshy lakes, bordered
by grassy areas opening into
water - grass looking much like
salt grass.

Black-necked stilt - about 15
Mudhen - Thousands - most about 15'

Pintail - Most abundant. ^{75%} about 5' ^{Small} ^{hundred}

Widgeon - A few -

Bluewing - About 500

Bluebill - A few

White pelican - About 100

Curlew - About 1000

Greenwing - About 500

Ruddy - About 200

Canvas back - A few small flocks

Spoonbill - A few

About 9 hunters went out, each

Dec. 30 con.

a boy who retrieved the birds
shot. Some of the retrievers
used darts or light spears
made by attaching pieces of
metal in some instances nails
which had been worked over
so that they bore a reversed
bark like a fish hook. There
are thrown at birds that ~~are~~
~~all~~ can not readily be caught.
No one in the party killed
over about one dozen ducks

Dec. 31.

Conferred again with
Ambartador and received
letters for official use.
Visited National Museum.
Party in evening to see old
year out.

Jan. 1, 1935.

City of Mex. - Walked from Club out to Chapultepec and completely encircled the castle through the forest surrounding it. The forest is small but quite wild and dense. It contains numerous giant cypress trees.

Afternoon devoted to correspondence and preparation to leave for Acapulco in morning.

Jan. 2. Mexico City to Acapulco. Good highway to Cuernavaca and road fair rest of way. Route is through very rough country and road is very crooked with sharp curves but few steep grades. Off at 7 A.M. and did not

Jan. 2 con.

arrived until after dark.
~~so~~ Wonderful sunrise with
colored cloud effects, the
sun rising behind Titicaca
throwing both volcanoes into
gold relief that faded
rapidly and ~~the~~ ~~new~~ joy
soon enveloped us as
we climbed out of the
valley on the road to
Ayacucho. Below Cuernavaca
are deep, steep-sided
canyons that look excellent
for work. Passed through
Taxco, a picturesque town
built high on the side of
a mountain. Apparently
tropical at Taxco but a
plumier droop-leaved
or ~~box~~-leaved juniper

grows abundantly ^{Dec 2nd}
Cyperus grows as dominant
stream - side trees below
Cuernavaca.

Jan.
~~Dec.~~ 3. Acapulco.
Leonard with W. H. Hudson in
morning and in afternoon drove to
on Laguna de Coahuila

Pi de la Cruz - about an hour
north of Acapulco.
Iron - Sm. bl. brownish h. 2' not
Aegialitis vacifera - 1 along stream.

Wood ibis - 8

Podilymbus pod. - 3

Egret (large)

Egret (Sm)

Zenaidura macroura

Snake birds - common.

Apamco - fl. fl. tree that
drops leaves. Very abundant a
typical species along coast
near Acapulco and Lower
tropical indicator.

Life zones. Tropical should
be split at around 3500 ft.
on average slopes.

Grown at Sezim.

Jan. 4.

Route today was by auto to
Cue de la leubita where we came to
south or eastern end of Laguna
de Coayuca. There we took
motor boat at least 15 miles
through lagoon and through
mouth of a channel connecting
with another lagoon. General
area rich in aquatic vegetation.
Very large mangroves seen, some
at least 50 ft. high.

Fire burning in tubes, showing
flames and large cloud of
smoke.

Jan. 3 con.

Life Zones. - In this last, morning glory and cypresses trees, may be upper tropical indicators.

Jan. 4. Acapulco to
Laguna de Icoyuca. Off from
Pie de la Llueta 846 a.m.

Returned to town 7 PM. about 18
kiloms to La Brea and about 5 miles
farther to tule swamps where we turned back

Bluebill - Hawks

Blue winged teal - 100

Printed 1/500 - tips

Snake bird - 1000

~~Zona dua mac.~~

Patena

Gudhens.

Black-necked Stilts

Tree ducks.

Pictura
on pont
in Loggia
de Loggia.

Total Ducks
50000 mostly
within
14 years.

Jan. 4 con
Mangroves - border lagoon.
Water hyacinths in nests.

Godwits (2, marbled)

Widgeon - 4 - mixed with
about 250 mudhens (buras here)
along edge of a raft of water
hyacinths.

Great blue heron. Several

white egret, dozens

Fish hawk - sitting in tree above
as we approached

Cormorant - 5 in a group flying
and 1 single.

Podilymbus pod - 2 ^{among} ~~in~~ water
hyacinths.

Green Iguana - Swimming in (19)
middle of channel near La Barran

Jan. 4 con.

Pelecanus arcticus. common

kat tail gulls (about 8 ft. tall)
Bring with large blazes much rust
White Ibis - 16

Glossy Ibis? - 1 ^{wood Ibis}

~~Stark~~ - White upon surface
with black tipped folded wing
& black head. Stark up near
straight.

Lagoon - adjacent to acacia
flats.

Laguna de Coyuca - about 10
miles & varying up to a mile
wide.

Phrynosoma munda - ^{on road far near} ~~Sais a flock~~
Wh. water lilies - abundant

Jan. 4 con.

Leane braken - Border lagoons where
banks are high & ~~they~~ will die.

Polysternus chinensis - about
a dozen in various places ^{on mangroves}
along shores of lagoon.

Willetts - about 25 in a
flock near La Barra.

Redwing Blackbirds - leane^c
along shores of lagoon.

Boat-bill - In mangroves on
shore of Laguna de la Laguna.
a bird

Ruddy - about half a dozen
on edge of lagoon.

Killdeer - 1

Jan. 5. Acapulco to
Laguna de Tres Palos, off 8 A.M.
& returned 6 P.M. Spent the day
about the lagoon but wind
was rather high and we did not
get out on it. General evidence
indicated that it carries thousands
of scaups and considerable
numbers of pintails.

Mudhens - 75

Pintails - 50

Tree ducks - 50

} Seen by further
along with
others of
Laguna de Tres Palos.

Murcovy (A large duck called here
"pato real" said to live in
manglars most from the
description be this. Said to
perch on trees and most readily
approached at night.

Jan. 5 con.

Lesser scaup ^{Hindmarsh} ^{2 pairs} ^{separate} ^{each} } Laguada
Ruddy - ^{Swamp} ^{along} ^{there}. } Tres Palos.

Mulhens, Small groups in various places

At small inlet of Laguada by Tres Palos. Water nearly covered "root aquatic plant" known as "luchuga" with open areas here and there. Here on a few acres of water surface with sandy shores timbered in most places we saw the following

Pintail (about 50)

Blue-winged Teal (about 50)

Tree duck (5 sitting on the limb of an old tree ~~back~~ close over the water, These had reddish brown black belly grayish on
fulvous face and reddish line 23

Jan. 5 con
down back of neck,
in park bar in
Willket - River near Tres Palos
^

Jan. 6. Acapulco to
Mexico City. Off on bus at
6.30 A.M.; arrived Mexico City
7 P.M.

En route - Improved again with
changing conditions along this
road. General route is through
broken country ascending and
descending but rising more rapidly
to the high bench, or valley in
which lies Tehuacan. The road
crosses a low divide west of
Tehuacan and descends a few
hundred feet to the valley. This
divide is overgrown with an
abundant stand of a peculiar kind
of grass with ^a peculiar kind
of ²² seed, numerous,
(24)

Jan. 6 con.
rather short leaves. The mountains
back of Acapulco stand out
from the main ~~Sierra Madre~~ ^{Sierra Madre}
a somewhat ~~very~~ isolated range
connected with the Sierra Madre
del Sur by rather low hills. They
appear to be about 3000 ft. high.

Tayas. The town is situated on
the slope of a rather barren
appearing mountain mass of
considerable height. It has
not a lax-leaved juniper
which grows as a dominant
species associated with the
pomeas. This mountain mass is
~~also~~ fairly high and isolated
and would probably be
much more fertile near the
top.

Cenchrus, apparently hairy

Jan. 6 con.

tropical, but it is only a short distance ^{and other the beginning of} up to beginning of pines, along a rather sharp line. In about 45 minutes from Cuernavaca we were on the summit of the mountains on the road to Mexico City.

Life Zones. The tropical seems clearly divisible here into upper and lower and divisions. Upper Division characterized by such plants as the *Ipomoea* which does not appear in lower division. It seems doubtful whether Lower Sonoran can be recognized as such. A belt above the tropical might be called simply Austral or temperate. Above this is a belt extending across summit is

Jan. 6. con.
which the mountains are open
and grassy (saccaton) and a
pine is almost the only tree,

Jan. 7. Mexico City.
Conferred with Consul-General
and obtained information.

Met Osgood at Sanborn's

Visited market of San Juan
de Tetram, ~~about~~

Ducks all ^{count} ~~total~~ about 100.

Cintail - 75 7/8

Green-wing - 25

Common - 2

Blue-wing - 2

Ruddy - 1

Pato real - 2

Spoonbill - 5

Curler - 12

Jan 8. Mexico City.
Visited Market of San de Petran.
Birds about same as yesterday,
evidently a number had been
sold and curlews were gone.

Ducks. Most of ducks offered
have been picked leaving feathers
only on heads and tails. Many
bear the blue mark of meat
inspector.

Conferred with Director of
Sanitary, game & fish

Jan. 9, Mexico City.
Made preparations for trip and
at 8.45 P.M. for Montera.

Jan. 10, Montera, Mich.
Arrived Montera 10.22 A.M.
Trip in afternoon to points along
Montera River.

Marshes. Extensive marshes filled
with patches of water hyacinths,
marrubium and many aquatic
plants. No ducks.

Red bellied quail - 6

Jan 11,
Off 8 30 A.M.

Marched on the La Solola near
Maricao, patches of lily, water
hyacinths, good water and good
conditions. Were hunting in
camouflaged canoe. Saw him
shoot several pintails.

Pintail

Lesser scaup

} Several small flocks
of about a dozen birds
Ducks, some about
him for breakfast.

Marsh areas near north of Maricao
Sevit.

Marshy plain at least 2 x 4 miles
in extent. Waterfowl concentrated
on a flooded area about 2 miles
in diameter or roughly 4 sq. miles.
Ducks - Total estimated at

25000.

Pintail - Most abundant of fowl.

Pintail.

In a flooded cornfield near
La Solidad a pintail seen
feeding

Jan. 11 con.

running into thousands

Lernaeum teal - thousands

Anas diazi - 2 - thousands

Green-winged - 11 - thousands

Blue-winged - A few

Canvasback - hundreds

Spoonbill - a few

Gullwing - a few

Mallard - hundreds

Killdeer - several

Cowbird - hundreds on wet plain

Waxwing - Half a dozen - 1 male,

Sagittaria com. in marsh.

Lake Cerritos - Ducks in
considerable numbers, looking
dark. 500 far out to study.

Pelicans - white pelicans in
occasional groups aggregating
in flocks.

Willet - 3 along shore

Jan. 18, Morley to
Palm Beach - Off on train 10:27
arrived Palm Beach 12 M.
Arrived on Lake.

Wilson - 1500

Redpoll - 2000

Bufflehead - a few

Pintail - 1200

Bluebill - 1000

Lesser scaup - 1200

Lesser scaup - 300

Rosetta - 100

Jacana - a few

Pintail - 200

Jan. 13 Lake Pátz,
8:45 AM on lake
B. B. B. Several pairs
permanent pairs.
Redhead - 50
Spoonbill - 12
Gadwall - 20 large pairs
Pied-billed grebe - 50

Feria - About 35 canoes
took part in an organized
hunt for ducks and coots,
the Indians using "juggles"
to spear ducks.

Trip to Extremo. In evening we
were taken through town and up
to the "Cerro" an artificially
levelled slope on the edge of
the San Bartolomé mountains.
views of the lake in the

down we passed a covered
shed-like structure where a
large group of natives was
dancing to the "jarabe" to
celebrate a wedding.

Statue of Mordor, Being
fruit of gigantic size on
the island of Anichio

Jan 14, Lake Patz,
off 9/15 AM on lake
Widgeons - flock of about
50 with several Bluebills
intermixed.

Bluebills - 3 or 4 with a flock
of about 50 widgeons

Cattails (Large size grow in
water along shore)

Tules (small) grow along
shore.

Depth of Lake Patz. Recent
soundings said to show a
depth of 125 meters in the
Broad northern arm shore line
there. Deep & rocky.

Lake Patz: Large northern
arm traversed. A little marsh
near Zinzunzan, but shore

lines in general abrupt
and practically no ducks
seen here. Fishermen
living all along shore and
they undoubtedly intensify
fishing and make inhospitable
beaches.

Wheat. Small patches back
from shore.

Jan. 14 con.

Lake Patz, neighboring summits
nearly all old volcanic cones
covered with vegetation to
their summits. In general
form of crescent 10 to 15
miles long and 2 to 3 miles
wide.

Sanigatun. - A one point on
shore we saw a water lifting
system in operation, dipping
from a well I had seen
before. A wooden cross beam
below a pool is used as a
fulcrum and a pole with scoop
attached was dipped by operator
into pool and water thrown with a
jerk into basin above from which
it was thrown into a sluiceway.

Ratz. to La Barca

Jan 14. con

not in the same way

Great blue heron - several

Jan 15 → Ziragnen Jan 15 X

Take ~~him~~ Trip in

Morning to Lake Ziragnen
west of Apur, a mountain
lake in pine timber,
some marsh at one end
but just beyond doubt
now, Lake about 1/2 mile
across and 1/3 mile long

Janicho - Island with
relation to Marulov.

Ziragnen - Village
near head of Lake where
painting

Jan. 15 con.
Left 12.27 for Pungama
via Agano in route to
La Barca arrived Pungama, 7 P.M.

Gopher holes & burrows
in light brown soil just north
station Saracen and from same
to near station of Tarradine.

5 - 1000 ft
 1000 ft
 1000 ft
 1000 ft
 1000 ft
 1000 ft

Jan. 15 con.
 Lake South of Villachato
 we passed a lake perhaps
 2 miles in length and a 1/4 mi
 broad where there were
 water hyacinths and other
 aquatic growth and a
 few waterfowl only of species
 undetermined.

Jan. 16. Panjamat to La Barca
 after visiting point near Panjamat
 N 150 W to ex. ^{about 1/2 mi} ~~about 15 miles~~
 south of town. ^{about 15 miles} Water
 for irrigation is impounded ~~in~~
 from rains from an area looking
 down to Panjamat.
 White-fronted geese - 2000 ^{on low ground}
 White geese - 6
 Mallard - a few.
 Pato real - about 500

Jan. 17, La Brea

Presented

Letter to Dr. Luis Espinosa del
Juarz #19, La Brea, Jal.
and made trip with him in
morning to marshes along
Duero or Zamorano River
which flows from Zamora
into the Sierra de la. Ducks
were densely crowded along
banks of open water in marsh.

(1) Pintails - Thousands

(2) Widgeon - Thousands

Pato real - Hundreds

Cinnamon teal - Hundreds

Green-winged teal - a few

Spoonbill - Hundreds

Curlew

Sooty

Rosette spoonbills - About 12
punched on low tides,
Gargenwh. Kunu
Sun. " " "

Here we saw probably
25000 and they continued on
up beyond our range of sight.
The ginnal area is said to
extend up to Jamnaya ~~about~~
In length it ~~would~~ reach for
at least 6 kilometers and is
in places a half mile wide.
Total ducks in the area
would probably exceed
50000.

James G. Shirley
Cedizade de La Paja 153
Juan & Robert Ave.



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BUREAU OF BIOLOGICAL SURVEY.

WASHINGTON.

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U. S. Department of Agriculture,

Washington, D. C.

Bureau of Biological Survey.

~~C. G. Bay, 12. Venced. Coahuila 30.~~

~~Kenneth Littlejohn says see
Ann who has 10 eggs. Handwritten
Note in Acapulco - Bull
concerning. In information re
ducks.~~

~~Antonio del Cerro
Edith Coza y Pozo
Bolivia 24.~~

~~Julio C. Estrada~~

~~Norman~~

~~Zahra~~

2 Sept. - Two! Muscovy Not

From carboxyl - 1 m mms
from base of carboxyl 1/6

Bonvalot qui désigne la
M^e - Labillardière.

Trichopus nanus, 1 in this
labelled, Logua Verde, Alvarado,
V.B.

Harpy Eagle - Mounted Spec
in Mus. Lab., Pencon, Ontario,
Canada.
Leamy, J. P.
Nombre de Dins, Dins.

Alfredo Farrugia
50 di Mayo 54 B
(Bene Liberosia P. 1900)

Quinto Comandante
Armeria Americana
Genl Madero 68

Gultherus Woff.
Krugger 5/1, Dec. 26 to
Gloss.

Ceratology esch -
1 in Mus. Zool. J. Lapo
V. has white band all
around waist
